



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
 BY: **Adib Altallal, Utilities Engineer**
 CC: **Mayor Allan Ekberg**
 DATE: **April 23, 2021**
 SUBJECT: **Sewer Lift Stations No. 4 and No. 12 Retrofits**
Project Nos. 91640202 & 90440207
Bid Award to Gary Harper Construction Inc.

ISSUE

Award contract to Gary Harper Construction Inc. for the Sewer Lift Stations No. 4 and No. 12 Retrofits Project.

BACKGROUND

During the cleaning and routine inspections of the sewer lift stations by City crews, they discovered corrosion of the wet well at Sewer Lift Station No. 12. The damaged concrete will be repaired and the entire wet well will be recoated. The control panel at Sewer Lift Station No. 4 is in poor and the condition is located deep below grade. The panel will be moved into an enclosure above grade.

ANALYSIS

A call for bids was advertised for the Sewer Lift Stations No. 4 and No. 12 Retrofits Project on March 31 and April 7, 2021. Two contractors returned bids to the City on April 14, 2021. The confirmed lowest bid was Gary Harper Construction, Inc. with a bid of \$342,411.00. The Engineer's Estimate was \$442,602.00. Gary Harper Construction Inc has done satisfactory work for the City in the past.

BUDGET AND BID SUMMARY

	<u>Bid Amount</u>	<u>Engineer's Estimate</u>	<u>Annual Sewer 2021 Budget</u>
Gary Harper Construction Inc	\$ 342,411.00	\$442,602.00	
Contingency 20%	<u>68,482.20</u>		
Grand Total	<u>\$ 410,893.20</u>	<u>\$ 442,602.00</u>	<u>\$ 750,000.00</u>

RECOMMENDATION

Council is being asked to award the construction of Sewer Lift Stations No. 4 and No. 12 Retrofit Projects to Gary Harper Construction Inc., for a total contract amount of \$342,411.00 and grant budget authority to the Project Management Team up to the amount of \$410,893.20 (20% contingency and 10.1% sales tax) and consider this item on the Consent Agenda at the May 3, 2021 Regular Meeting.

Attachments: Page 68, & 71 2021 CIP Bid Tabulation

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: **Annual Sewer Repair Program** Project No. 9xx40201

DESCRIPTION: Reduce sewer line infiltration and inflow (I & I) through groundwater intrusion or storm events as a result of damaged deteriorating systems or illicit connections. Includes small repairs and capital maintenance.

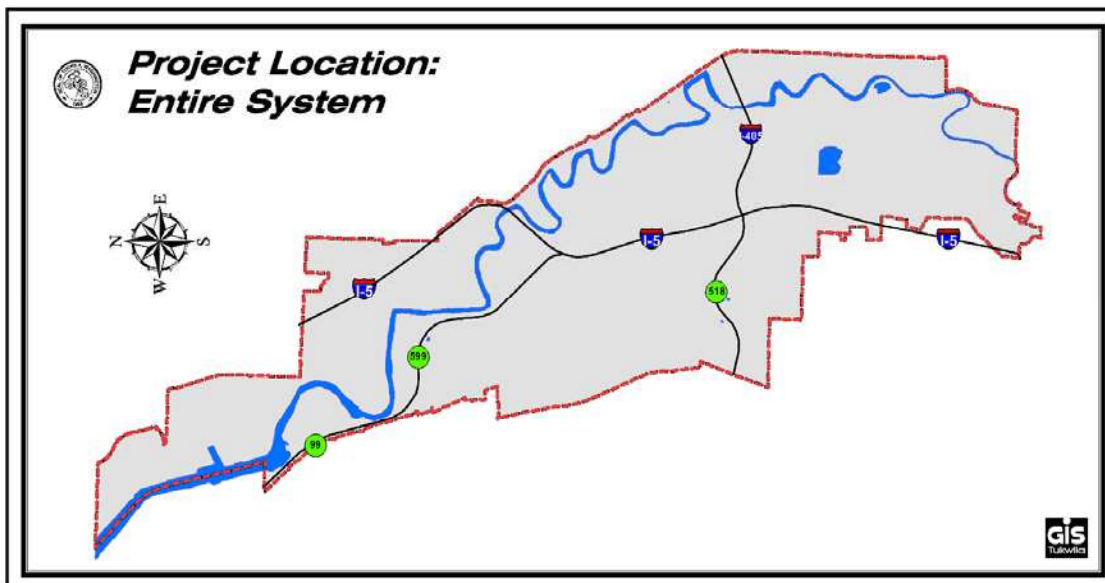
JUSTIFICATION: Decreases treatment, discharge, and pumping costs.

STATUS: Annual program is determined after pipeline TV inspection reports are completed.

MAINT. IMPACT: Less maintenance costs through rehabilitation of aging system.

COMMENT: Ongoing project, only one year actuals shown in first column.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	0	15	75	75	70	70	70	70	500	945
Land (R/W)										0
Const. Mgmt.		10	112	120	105	105	115	115	200	882
Construction	0	75	750	800	700	700	700	700	1,000	5,425
TOTAL EXPENSES	0	100	937	995	875	875	885	885	1,700	7,252
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	100	937	995	875	875	885	885	1,700	7,252
TOTAL SOURCES	0	100	937	995	875	875	885	885	1,700	7,252



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Sewer Lift Stations & Generator Upgrades

Project No. 90440206

DESCRIPTION: This project will be used to replace/upgrade the seven sewer lift stations and backup generators in phases.

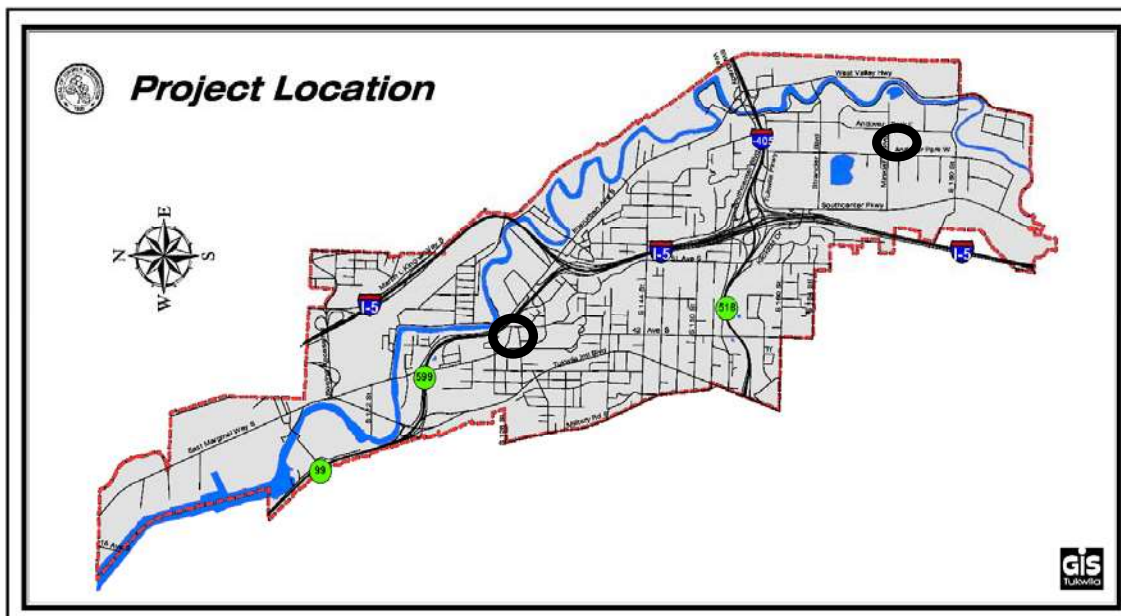
JUSTIFICATION: Aging sewer system requires the replacement of motors, pumps, and controls at older lift stations to reduce maintenance. Generators have a lifespan of 15 years and need to be replaced more frequently than pumps.

STATUS: Sewer Lift Stations No. 3 & 4 are at the end of their life cycles and need to be rebuilt with backup generators. Lift Station No. 4 is scheduled for 2020/2021, and Lift Station No. 3 is scheduled for 2024/2025. Lift Station No. 5 is in beyond.

MAINT. IMPACT: New pumps will reduce the liability of the existing pumps that are obsolete and prone to fail.

COMMENT: Additional right-of-way or property will be required for the new backup generators to be installed.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design		5	5			20	20		100	150
Generators		50	25			10	10		10	105
Const. Mgmt.		10	10			50	50		100	220
Construction		300	200			400	400		700	2,000
TOTAL EXPENSES	0	365	240	0	0	480	480	0	910	2,475
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	365	240	0	0	480	480	0	910	2,475
TOTAL SOURCES	0	365	240	0	0	480	480	0	910	2,475



CITY OF TUKWILA
DEPARTMENT OF PUBLIC WORKS
Tukwila Lift Stations #4 and #12 Retrofits
BID TABULATION
Tukwila Project # 91440201
April 14, 2021

Correction
Apparent Low Bid

No.	Item	Qty	Unit	Gary Harper Construction Inc		Award Construction Inc		Engineer's Estimate	
				Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Schedule A: Lift Station No. 4									
A-1	Mobilization	1	LS	\$ 20,600.00	\$ 20,600.00	\$ 18,000.00	\$ 18,000.00	\$ 35,000.00	\$ 35,000.00
A-2	Temporary Water Pollution/Erosion Control	1	LS	\$ 4,800.00	\$ 4,800.00	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00
A-3	Resolution of Utility Conflicts	1	FA	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
A-4	Project Temporary Traffic Control	1	LS	\$ 3,800.00	\$ 3,800.00	\$ 6,000.00	\$ 6,000.00	\$ 3,000.00	\$ 3,000.00
A-5	Electrical	1	LS	\$ 85,400.00	\$ 85,400.00	\$ 100,000.00	\$ 100,000.00	\$ 270,000.00	\$ 270,000.00
A-6	Temporary Bypass Pumping	1	LS	\$ 43,900.00	\$ 43,900.00	\$ 35,000.00	\$ 35,000.00	\$ 12,500.00	\$ 12,500.00
A-7	Site Restoration	1	LS	\$ 7,700.00	\$ 7,700.00	\$ 10,000.00	\$ 10,000.00	\$ 500.00	\$ 500.00
A-8	Trench/Excavation Safety	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00
A-9	Electrical Permits	1	FA	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
A-10	Unexpected Site Chages	1	FA	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
				Subtotal	\$ 191,200.00	Subtotal	\$ 197,000.00	Subtotal	\$ 347,000.00
Schedule B: Lift Station No. 12									
B-1	Mobilization	1	LS	\$ 28,500.00	\$ 28,500.00	\$ 12,000.00	\$ 12,000.00	\$ 5,000.00	\$ 5,000.00
B-2	Wet Well Cleaning and Lining	1	LS	\$ 46,300.00	\$ 46,300.00	\$ 60,000.00	\$ 60,000.00	\$ 20,000.00	\$ 20,000.00
B-3	Wet Well Concrete Spalling Repair	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
B-4	Bypass Pumping	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 60,000.00	\$ 60,000.00	\$ 15,000.00	\$ 15,000.00
B-5	Unforeseen Conditions Contingency	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
				Subtotal	\$ 119,800	Subtotal	\$ 147,000	Subtotal	\$ 55,000
Sale Tax 10.1%		1	-		\$ 31,411.00		\$ 34,744.00		\$ 40,602.00
				TOTAL ESTIMATE	\$ 342,411.00	TOTAL BID	\$ 378,744.00	TOTAL BID	\$ 442,602.00